

EGU 2010 – Tectonics and Structural Geology (TS)

O: Oral Presentation (Lecture Room) / P: Poster Presentation (First Poster Board)

TB: 1: 08:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00 / 6: 19:00–20:00

Division Business Meeting: We, 12:15–13:15, Room 30

Session	Title	TB	Mo	Tu	We	Th	Fr
ML30	Stephan Mueller Medal Lecture by Seth Stein	1 2 3 4 5					
TS1 – Tectonics and structural geology - general contributions					O (30)		
TS1.1	Open session: Tectonics and Structural Geology	1 2 3 4 5					P (A354) O (30)
GD1.5/G24/TS1.3	Gravity modelling for understanding of the solid Earth structure and dynamics	1 2 3 4 5		O (31)			
SM1.7/GD6.7/TS1.4	The deep Earth: Looking down into the Mantle and core.	1 2 3 4 5	O (27)				
GD2.2/TS1.5	The strength of the continental lithosphere	1 2 3 4 5	O (31) O (31) P (A1)				
SM6.2/GD2.8/TS1.6	Multidisciplinary Constraints on the Lithospheric Structure, Evolution, and Mantle Processes	1 2 3 4 5		O (27) O (27)			P (XL311)
SM3.2/GD2.9/TS1.7	The 100th anniversary of the discovery of the Mohorovicic Discontinuity: Its geophysical and petrological characteristics	1 2 3 4 5					P (XL283)
TS2 – Brittle deformation							
TS2.1	Geometry, kinematics, and deformation mechanisms in foreland thrust belts	1 2 3 4 5					P (A383)
TS2.2/NH4.7/SM2.1	Mechanics, structure and evolution of fault zones	1 2 3 4 5	O (30) O (30) O (30) O (30) P (A485)				
MPRG14/TS2.4	The physical and mechanical properties of porous carbonate rocks	1 2 3 4 5		O (42)			
MPRG15/TS2.5	Scaling and localization during brittle rock failure	1 2 3 4 5		O (42) P (A388)			
SM2.2/GD2.15/HS13.9/ NH4.13/TS2.6	Fault zone processes from (integrated) geophysical imaging	1 2 3 4 5			O (27)		P (XL260)

Session	Title	TB	Mo	Tu	We	Th	Fr
TS3 – Ductile deformation, magmatism and metamorphism							
TS3.1	Deformation processes: microstructures, textures, rheology and fluid migration	1 2 3 4 5			O (32) O (32) O (32)		
PS9.0/GMPV42/TS3.3	Volcanism, Tectonics and Faulting in the Solar System	1 2 3 4 5			O (26) P (XL259)		
MPRG23/GMPV57/SM6.14/TS3.4	Elastic and Inelastic Properties under in situ High P-T Conditions	1 2 3 4 5			P (A411)		
GMPV9/TS3.5	Volcano deformation, dynamics, and deep structure	1 2 3 4 5			O (20) O (20) O (20)		P (XL142)
TS4 – Interplay between lithospheric, tectonic and surface processes							
TS4.1/G22/GD2.4/GM5.2/SM1.4	Coupling topography, surface erosion and tectonics	1 2 3 4 5			O (32)		
TS4.2/GM5.7	Topography Evolution of Europe: Uplift, Subsidence and Sea Level Change (Topo-Europe)	1 2 3 4 5			O (32) O (32)		
TS4.3/CL1.1/GD2.5/GM5.5/MPRG8/SSP1.5	Eurasian Climate and Tectonics	1 2 3 4 5			O (32) P (A497)		
TS4.5/GM5.6	Geodynamics of the Alps - from deep-seated to surface processes	1 2 3 4 5				O (30)	
GD2.1/SSP1.3/TS4.8	Basin Dynamics	1 2 3 4 5			O (30) O (30)		P (A393)
GM10.4/TS4.9	Seafloor expression of tectonic and geomorphic processes	1 2 3 4 5				O (21) O (21)	
TS5 – Extensional settings							
TS5.1/GD4.5/GMPV41	Continental rifting: mechanisms of deformation, sedimentation, and magmatism	1 2 3 4 5				O (30) O (30)	
GD4.2/TS5.5	Processes along passive margins and Links with Onshore Uplift	1 2 3 4 5				O (31) O (31)	
BG3.2/ERE4.2/GMPV56/TS5.6	Fluid flow in continental margins	1 2 3 4 5				P (XY438)	
						O (23) O (23)	
						P (BG53)	

Session	Title	TB	Mo	Tu	We	Th	Fr
TS6 – Convergent settings							
TS6.1/G18/GD5.4	The Alpine-Himalayan orogeny: from the Mediterranean to SE Asia	1 2 3 4 5			O (30) O (30) O (30) O (30)	O (30)	
TS6.3	Geodynamic evolution of the Zagros Mountains	1 2 3 4 5				P (A413)	P (A422) O (32)
TS6.4	Cratons and surrounding mobile belts: evolution, interplay and interferences. The West African case study	1 2 3 4 5				P (A435)	O (32)
TS6.5/GD5.10/GMPV55	Ophiolites, blueschists and mélanges in convergent margin tectonics	1 2 3 4 5	O (32) O (32)			P (A510)	
TS6.6	Orogenic plateaux	1 2 3 4 5				P (A450)	O (30)
TS6.8/GD5.6/NH4.14/ SM3.6	Caribbean and South American subduction zones: subduction processes and resulting tectonics, seismogenesis and fore-arc evolution	1 2 3 4 5			O (32) O (32)	P (A483)	
GD5.1/GMPV18/TS6.9	Subduction zone dynamics: A slab's journey in the upper and lower mantle	1 2 3 4 5				P (A1)	O (31) O (31)
GD5.2/G23/NH4.12/SM3. 5/TS6.10	Subduction zone dynamics: seismogenic zone and forearc deformation	1 2 3 4 5				P (A21)	O (31) O (31)
GD5.3/TS6.11	Dynamic aspects of mountain building and land surface stability: Linking field-based studies to crustal-scale models	1 2 3 4 5	O (31) O (31)			P (A18)	
TS8 – Earthquakes and Tectonics							
TS8.1/G16/GD2.11/ GM1.2/GMPV46/HS13.1/ MPRG18/NH4.5/SM7.1	One year after the Abruzzo 2009 earthquake	1 2 3 4 5		O (30) O (30)		P (A454)	
TS8.2/SM7.2	Earthquake Geology	1 2 3 4 5		O (32) O (32)		P (A473)	
TS8.3/G8/SM2.8	Large continental faults and related earthquake cycle: short vs long term slip rate and their role in continental deformation	1 2 3 4 5				O (32) P (A465)	
SM1.0/G25/GD2.17/ GM1.5/GMPV37/NH4.0/ NH5.3/SSP1.9/TS8.4	Large Magnitude Earthquakes and Tsunami Activity in 2010: Views on The Haiti and Chile Events	1 2 3 4 5	O (D) O (D)				
TS8.5/G19/GD2.10/ GMPV43/NH4.6/SM6.6	Crustal faulting and deformation processes observed by interferometric synthetic aperture radar (InSAR)	1 2 3 4 5			O (32) O (32)	P (A510)	
TS8.6/SM3.3	Seismotectonics of the Marmara Sea region	1 2 3 4 5				O (32)	P (A487)
SM1.5/TS8.8	Active Seismic studies of the Crust	1 2 3 4 5			O (27)		P (XL285)

Session	Title	TB	Mo	Tu	We	Th	Fr
SM2.4/NH4.8/TS8.9	Earthquake Source Rupture Models, Slip Distribution Studies, and Nucleation and Growth of Fault Systems	1					
		2					
		3	O (27)				
		4	O (27)				
		5		P (Z125)			
TS9 – Modelling of Tectonic and Structural Processes							
TS9.2/GD2.6	The evolution of structures in the crust: insights from analogue and numerical modeling	1					
		2					
		3					
		4		O (32)			
		5		P (A495)			
GD1.2/TS9.3	Recent advances in computational geodynamics: from mantle to surface processes	1					
		2					
		3		O (31)			
		4					
		5		P (XY403)			
TS10 – Plate Tectonics							
TS10.1/GD3.3	Unresolved problems in plate tectonics: kinematic reconstructions, plate driving forces, and plate boundary interactions	1					
		2					
		3				P (A498)	
		4				O (30)	
		5					
GD3.1/TS10.2	From the geologic record to mantle flow: linking deep and shallow Earth processes	1					
		2					
		3					
		4		O (31)			
		5		P (XY423)			
SM1.2/G21/GD3.4/ TS10.4	Observing the European plate: Sensor networks and data infrastructures	1		O (27)			
		2					
		3					
		4					
		5		P (XL266)			
TS11 – Co-listed Sessions							
GM1.1	EGU/AGU Geomorphology Symposium - Quantifying landscape response to climate change	1					
		2					
		3					
		4		O (21)			
		5					
GM5.1	Long-term landscape evolution and interactions between tectonic and surface processes	1					
		2					
		3		O (22)			
		4		O (22)			
		5		P (XL47)			
GM5.3	Interpreting the detrital record: advances, applications, and limitations	1					
		2				O (22)	
		3					
		4					
		5			P (XL50)		
GM5.4	Late Quaternary morphodynamics in East Asia	1					
		2					
		3					
		4					
		5		P (XL74)			
MPRG13/GMPV54/ NH10.6	Rock Physics and Natural Hazards	1					
		2					
		3					
		4		O (42)			
		5		P (A391)			